

AMENDMENTS TO THE CLAIMS

Claims 1-6. (Cancelled)

7. (Previously Presented) A method for spreading the electromagnetic emissions of a generated clock signal that is created in response to a reference clock signal, the method comprising the steps of:

providing the reference clock signal to an adjustable delay line having a plurality of selectable delay trim units;

generating a first control signal for enabling a first set of the delay trim units in the adjustable delay line, the first set being selected to provide the generated clock signal having a base clock period;

generating a second control signal for adjusting the first set of delay trim units, the second control signal being selected to vary in a predetermined pattern;

combining the first control signal and the second control signal to create a third control signal; and

providing the third control signal to the adjustable delay line, wherein the third control signal causes different sets of the delay trim units to be enabled during different cycles of the reference clock signal, thereby causing the generated clock signal to exhibit a repeating regular pattern of varying clock periods, wherein the pattern of the varying clock periods includes the base clock period, as well as clock periods greater than and less than the base clock period.

Claims 8-9. (Cancelled)

10. (Currently Amended) The method of Claim 9 A method for spreading the electromagnetic emissions of a generated clock signal that is created in response to a reference clock signal, the method comprising the steps of:

providing a delay line in the path of the reference clock signal;

providing an offset in the reference clock signal; and

adjusting trim units in the delay line in a pre-determined pattern during consecutive clock cycles,

wherein the step of providing an offset comprises providing a trim unit adjustment of +2 prior to starting the pre-determined pattern and wherein the pre-determined pattern comprises providing trim unit adjustments of +1, +2, 0, +2, -1, +2, -2, +2 and +2 during nine consecutive clock cycles.

11. (Currently Amended) The method of Claim 8 A method for spreading the electromagnetic emissions of a generated clock signal that is created in response to a reference clock signal, the method comprising the steps of:

providing a delay line in the path of the reference clock signal; and  
adjusting trim units in the delay line in a pre-determined pattern during consecutive clock cycles,

wherein the pre-determined pattern comprises providing trim unit adjustments [[of]] according to a pattern selected from the following group of patterns: -1, 0, -2, 0, -3, 0, -4, 0 and 0 during nine consecutive clock cycles; -1, 0 and 0 during three consecutive clock cycles; -1, 0, -2, 0 and 0 during five consecutive clock cycles; -1, 0, -2, 0, -3, 0 and 0 during seven consecutive clock cycles.

Claims 12-13. (Cancelled)

14. (Currently Amended) The method of Claim 9 A method for spreading the electromagnetic emissions of a generated clock signal that is created in response to a reference clock signal, the method comprising the steps of:

providing a delay line in the path of the reference clock signal;  
providing an offset in the reference clock signal; and  
adjusting trim units in the delay line in a pre-determined pattern during consecutive clock cycles,

wherein the step of providing an offset comprises providing a trim unit adjustment of +1 prior to starting the pre-determined pattern, and wherein the pre-determined pattern comprises providing trim unit adjustments of 0, +1, -1, +1 and +1 during five consecutive clock cycles.

Claim 15. (Cancelled)

16. (Currently Amended) The method of Claim 9 A method for spreading the electromagnetic emissions of a generated clock signal that is created in response to a reference clock signal, the method comprising the steps of:

providing a delay line in the path of the reference clock signal;  
providing an offset in the reference clock signal; and  
adjusting trim units in the delay line in a pre-determined pattern during consecutive clock cycles,

wherein the step of providing an offset comprises providing a trim unit adjustment of +1 prior to starting the pre-determined pattern, wherein the pre-determined pattern comprises providing trim unit adjustments of 0, +1, -1, +1, -2, +1 and +1 during seven consecutive clock cycles.

Claims 17-21. (Cancelled)